

WHAT IS CLAIMED IS:

1. A user authentication system which, to permit a log-in from a communication terminal device with a voice input function,
5 conducts user authentication based on user identification information uniquely identifying each user and a password corresponding to the user identification information, said system comprising:

10 a user authentication database for storing user identification information and voiceprint information while correlating the two information, said voiceprint information acquired when a user pronounces their user identification information; wherein

15 said user authentication is performed by collating voiceprint information identified by searching in said user authentication database for voiceprint information corresponding to user identification information in code format received via a data communication network from said communication terminal device with a voice input function, with a user identification
20 information in voice format received via a telephone network from said communication terminal device.

2. A user authentication system comprising:

25 a communication terminal device with a voice input function, said communication terminal device being capable of logging into a system which may only be accessed after successful user authentication based on a user identification information uniquely identifying each user and a password corresponding to the user identification information;

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4 a user authentication database for storing user
identification information and voiceprint information while
correlating the two information, said voiceprint information
acquired when a user pronounces their user identification
5 information;

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7 a onetime identification information managing means which
generates a onetime identification information upon receipt of
a code-format user identification information from said
communication terminal device via a data communication network,
10 transmits said generated onetime identification information back
to said communication terminal device via said data communication
network, and records, in said user authentication database in
correlation with said user identification information, a
disallowed state of a log-in designating said onetime
15 identification information as the password; and

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17 a user authenticating means which, upon receipt of
voice-format user identification information from said
communication terminal device via a telephone network, conducts
voiceprint authentication using said voice-format user
20 identification information by referring to said user
authentication database, and, when the authentication is
successful, changes to an allowed state said state recorded in
said user authentication database concerning the log-in by said
onetime identification information; wherein

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22 said communication terminal device with a voice input
function comprises:

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24 a code-format user identification information transmitting
means for transmitting to said onetime identification information
managing means, as said code-format user identification

information, an identification information belonging to said individual communication terminal device or to the exclusive user of said individual communication terminal device;

5 a voice-format user identification information transmitting means for receiving a user identification information input by said user's voice and transmitting said audibly input information to said user authenticating means as said voice-format user identification information; and

10 an automatic log-in means for, after the authentication is completed by said user authenticating means, automatically logging into said system using said onetime identification information received from said onetime identification information managing means.

15 3. A user authentication system according to Claim 2, wherein said user authenticating means comprises:

20 a voice recognizer for executing voice recognition with respect to said voice-format user identification information received from said communication terminal device via said telephone network, so as to generate said received information in a code format; and

a voiceprint authenticator for executing voice authentication by collating voiceprint information identified by searching in said user authentication database for voiceprint information corresponding to said user identification information generated by said voice recognizer, with said voice-format user identification information received from said communication terminal device.

4. A user authentication system according to Claim 2, wherein
said code-format user identification information
transmitting means displays on said communication terminal device
a log-in display screen received from said system via said data
communication network, and transmits to said onetime
identification information managing means, as said code-format
user identification information, a user name input through said
log-in display screen.

5. A user authentication system according to Claim 2, wherein
after receiving said onetime identification information
from said onetime identification information managing means via
said data communication network, said voice-format user
identification information transmitting means transmits to said
user authenticating means, as said voice-format user
identification information, said audible input by said user
following an audio guidance provided by said user authenticating
means via said telephone network.

6. A user authentication system according to Claim 2 further
comprising:

a onetime identification information deleting means for,
upon completion of a user log-in from said communication terminal
device, automatically deleting the corresponding onetime
identification information from said user authentication
database.

7. A user authentication system according to Claim 1, wherein
said communication terminal device is a cellular phone

provided with an Internet function.

8. A user authentication system according to Claim 2, wherein
said communication terminal device is a cellular phone

5 provided with an Internet function.